

K5 POLYSCREED R

Two Part Polymer Modified Cementitious Repair Mortar



Description :

K5 POLYSCREED R is a prepacked two component system consisting of ready to use polymer modified mortar and polymer modified primer. The mortar contains specially processed cement and polymer with graded fillers and additives to impart adhesion, strength and weather resistance.

Uses :

K5 POLYSCREED R is to be used in conjunction with K5 POLYSCREED R PRIMER and is designed for repair of spalled or damaged concrete, precast floors and roads. Also as a render where durability or increased weather resistance is required. K5 POLYSCREED R is ready to use for easy on-site mixing. The mortar can be laid in thickness of 10-20 mm in single application and exhibits good workability and finishing properties. K5 POLYSCREED R has excellent adhesion to substrate and exhibits excellent bond & weather resistance thus leading to increased durability and also resists shrinkage induced cracking. K5 POLYSCREED R is chloride free.



Advantages :

- Prepacked, easy to use
- High strength
- Excellent adhesion
- Protects steel reinforcement
- Can be used for all kinds of concrete repairs
- Chloride free

Application Instructions :

SURFACE PREPARATION:

Substrates should be mechanically prepared by grit blasting or scabbling to produce a clean rough exposed aggregates for better mechanical key. Loose particles, dust, contamination must be removed and surface flooded with water to allow for maximum absorption. The exposed steel, if any, should be thoroughly cleaned by abrasive means and all edges must be cut back to a thickness of 10-15 mm.

PRIMING:

After ensuring that there is no surface water present on the prepared surface, K5 POLYSCREED Primer is applied in a single even coat application ensuring all corners, crevices, joints are fully covered. Empty the powder content of the primer into polymer content, slowly whilst mixing continuously to obtain a homogenous brushable creamy consistency primer liquid, which is then applied to the surface and the reinforcement.

MIXING & LAYING:

K5 POLYSCREED R should preferably be mixed using a paddle attached to an electric drill. Place the liquid polymer into the container and slowly add the powder whilst continuously mixing to obtain a homogenous mix.

Laying :

Apply the mixed K5 POLYSCREED R to the previously primed surface while it is tacky and trowel firmly to good compaction to the existing profile at a maximum thickness of 20 mm at a time. Multiple application will be necessary for thicker sections (more than 20 mm)

Curing :

Cover the repaired areas with a polythene sheet for atleast 12 hours before water ponding or curing by wet hessian should be carried out.

Cleaning :

All tools must be cleaned with water immediately after use.

Packing & Coverage :

K5 POLYSCREED R - 25 kg HDPE bags + 4.5 ltrs liquid polymer.
(Yields 12.5 ltrs).

K5 POLYSCREED PRIMER - 2kg Powder + 1 Ltr liquid 2
(sufficient for 5 to 7 m²)

Shelf Life :

12 months storage life when stored in original unopened container at between 5 °C to 45 °C in a dry and shaded place.

Health & Safety :

K5 POLYSCREED R is non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately, do not induce vomiting.

NOTE :

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.

